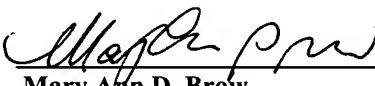


TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		Attorney Docket No. DNASOFT-10963
		U.S. Application No. 578946
International Application No. PCT/US2004/037291	International Filing Date: 08 November 2004 (08.11.04)	Priority Date Claimed: 07 November 2003 (07.11.03)
Title Of Invention: System and Methods for Three Dimensional Molecular Structural Analysis		
APPLICANT(S) FOR DO/EO/US SANTALUCIA, John, <i>et al.</i>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 		
Items 11 to 20 below concern document(s) or information included:		
<ol style="list-style-type: none"> 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825; Sequence Listing in Paper Copy; Certificate of Sequence Listing. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: WO 2005/047520; International Search Report; Written Opinion. 		

U.S. Application No. 2006/018946		International Application No. PCT/US2004/037291		Attorney's Docket No. DNASOFT-10963	
				CALCULATIONS	PTO USE ONLY
21. <input checked="" type="checkbox"/> Basic National Fee		\$ 300.00		\$300.00	
22. <input checked="" type="checkbox"/> Examination Fee				\$200.00	
<input type="checkbox"/> If International Preliminary Examination Report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)		\$ 100.00			
<input checked="" type="checkbox"/> All Other Situations		\$ 200.00			
23. <input checked="" type="checkbox"/> Search Fee				\$400.00	
<input type="checkbox"/> Search Fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority		\$ 100.00			
<input checked="" type="checkbox"/> International Search Report prepared and provided to the Office		\$ 400.00			
<input type="checkbox"/> All Other Situations		\$ 500.00			
Total of 21, 22 and 23 =				\$900.00	
Additional Fee For Specification and Drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of Additional or Fraction Thereof (round up to a whole number)		RATE	
76 - 100	0/50 =	0 x 250		\$0.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).					
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
TOTAL CLAIMS	10 - 20 =	0	x \$50.00	\$0.00	
INDEPENDENT CLAIMS	5 - 3 =	2	x \$200.00	\$400.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)	+ \$360.00	0	+ \$360.00	\$0.00	
TOTAL OF ABOVE CALCULATIONS =				\$1,300.00	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2					
SUBTOTAL =				\$650.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$0.00	

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TOTAL NATIONAL FEE =		\$650.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +		\$0.00
TOTAL FEES ENCLOSED =		\$650.00
		Amount To Be Refunded: \$
		Charged: \$
<p>a. <input checked="" type="checkbox"/> A check in the amount of <u>\$650.00</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge any my Deposit Account No. <u>08-1290</u> in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> <p>d. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. <u>08-1290</u>. A duplicate copy of this sheet is enclosed.</p> <p>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.</p> <p>Send All Correspondence To:</p> <p>Mary Ann D. BROW MEDLEN & CARROLL, LLP 101 Howard Street, Suite 350 San Francisco, California 94105 Phone: 608-218-6900 Fax: 608-218-6910</p> <p style="text-align: right;"> Mary Ann D. Brow</p> <p style="text-align: right;"><u>May 8, 2006</u> Date</p>		